

proliferative in presence of a cell-specific antigen (Ag) is biologically pure, i.e. remains free of contaminating cells at all stages of subsequent culture development. Also new are: (1) a human **T-cell** monoclonal directed to the above monoclonal; (2) a homogeneous population of **T-cell** receptors from the new monoclonal (and/or antigen-specific parts of them); (3) kits for identifying the new monoclonal.

USE - The monoclonal (and derived receptors) are useful according to the nature of Ag for treating **autoimmune** diseases (e.g. rheumatoid arthritis, multiple sclerosis or diabetes), **T-cell** mediated allergy, infections and cancers; also in the preparation of vaccines against **autoimmune** diseases. They can also be used for diagnosis of Ag-related diseases. 0.1-50 million inactivated **T cells** are admin. in 2 injections.

ADVANTAGE - These monospecific monoclonal up-regulate the natural **regulatory** system that controls auto-aggressive **T-cells**. They can be maintained in long term culture to produce large numbers of cells for therapeutic use, do not cause generalised suppression of the immune system and are free of the problems associated with contaminating cells. The new cloning procedure (below) used to produce these monoclonal is more efficient than known methods, provides improved growth properties, maintains specificity after repeated expansions and ensures monoclonality.

Dwg.0/10

FS CPI
FA AB; GI
MC CPI: B04-B04C2; B04-F04; B04-G21; B12-K04A; B14-A01; B14-C09B; B14-G02A;
B14-G02D; B14-H01; B14-S11; D05-H07; D05-H08;
D05-H13

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(FILE 'HOME' ENTERED AT 07:45:40 ON 03 DEC 2003)
DEL HIS

FILE 'WPIX' ENTERED AT 07:46:47 ON 03 DEC 2003

E SALOMON B/AU
L1 13 S E3
E COHEN J/AU
L2 334 S E3-E19
E KLATZMAN/AU
L3 34 S E4,E5
L4 378 S L1-L3
L5 8 S L4 AND T CELL/BIX
L6 7 S L4 AND LYMPHOCYT?/BIX
L7 0 S L4 AND IMMUNOREG?/BIX
L8 5 S L4 AND (GVD? OR GRAFT?(L)HOST?)/BIX
L9 16 S L5-L8
SEL DN AN 6
L10 1 S L9 AND E1-E2
L11 47 S C12N/IC, ICM, ICS, ICA, ICI AND L4
L12 1 S L10 AND L1-L11

FILE 'WPIX' ENTERED AT 08:01:07 ON 03 DEC 2003

L13 35662 S C12N005/IC, ICM, ICS
L14 21564 S L13 AND C12N015/IC, ICM, ICS
L15 1414 S L14 AND A61P037/IC, ICM, ICS, ICA, ICI
L16 512 S L14 AND (B14-G02C OR C14-G02C OR B12-D02B OR C12-D02B)/MC
L17 1108 S L14 AND (B14-G02D OR C14-G02D OR B12-D02A OR C12-D02A)/MC
L18 4241 S L14 AND D05-H08/MC
L19 453 S L18 AND L15-L17
L20 73 S L19 AND (GVD? OR GRAF?(L)HOST?)